

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1629	(604/22).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/20 08:47
S2	5	("4878892" "5135479" "5328452" "5706950" "6614143").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/20 08:29
S3	39	("20030069520" "20030069521" "3174851" "3351463" "3753700" "3789841" "4538622" "4554929" "4619274" "4721117" "4763647" "4846186" "4955862" "4966163" "5129890" "5188621" "5238004" "5267574" "5313967" "5372144" "5406960" "5415178" "5429139" "5497783" "5606979" "5772609" "5797856" "5830155" "5891055" "5951496" "5984878" "6056702" "6296616" "6409683" "6508803" "6527732" "6599254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/19 16:10
S6	1659	(604/20).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/20 10:27
S7	24	transducer and sensor and frequency and intensity and waveform and alternating and sawtooth and square and continuously and pulsed	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/20 10:34
S8	37	transducer and sensor and frequency and intensity and waveform and alternating and sawtooth and square and continuous and pulsed	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/20 10:34

## EAST Search History

S9	134	("3275059"   "3392916"   "3561444"   "3860173"   "4052004"   "4085893"   "4153201"   "4251031"   "4271705"   "4294407"   "4301093"   "4301968"   "4309989"   "4319155"   "4334531"   "4352459"   "4428531"   "4466571"   "4530360"   "4541564"   "4582654"   "4619400"   "4642581"   "4655393"   "4659014"   "4679551"   "4726523"   "4726525"   "4733820"   "4756478"   "4783003"   "4790479"   "4793339"   "4850534"   "4877989"   "4905671"   "4930700"   "4941618"   "4961885"   "5002059"   "5040537"   "5063922"   "5076266"   "5104042"   "5115805"   "5134993"   "5163433"   "5172692"   "5186162"   "5197946"   "5211160"   "5231975"   "5269291"   "5315998"   "5316000"   "5318014"   "5323769"   "5324255"   "5345940"   "5347998"   "5362309"   "5374266"   "5380411"   "5393296"   "5437606"   "5515841"   "5515842"   "5516043"   "5520166"   "5520612"   "5527350"   "5529572"   "5545124"   "5551416"   "5554172"   "5556372"   "5573497"   "5616140"   "5626554"   "5643179"   "5656016"   "5658323"   "5699805"   "5707402"   "5707403"   "5730705"   "5735811"   "5743863"   "5752924"   "5762616"   "5785972"   "5835678"   "5843139"   "5879314"   "5879364"   "5882302"   "5894841"   "5895362"   "5947921"   "5960792"   "5989245"   "6001069"   "6007499"   "6014970"   "6024718"   "6026808"   "6027495"   "6041253"   "6061597"   "6076519"   "6083159"   "6095141"   "6098620"   "6102298"   "6106547"   "6113558"   "6113570"   "6158431"   "6176839"   "6186963"   "6190315"   "6190336"   "6206842"   "6206843"   "6231528").PN. OR ("6234990"   "6251099"   "6273864"   "6321109"   "6322527"   "6325769"   "RE36939").PN. OR ("6663554").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/20 11:56
----	-----	--	------------------------------	----	----	------------------

## EAST Search History

S10	29	intensity and frequency and transducer and alternating and waveform and drug and square and sawtooth	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/20 12:02
S11	468	intensity and frequency and transducer and (alternating or alternate)and waveform and drug	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/20 15:06
S12	2	((("5,458,140") or ("5,445,611"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/20 15:06
S13	73	("4372296"   "4646725"   "4767402"   "4780212"   "4821740"   "4953565"   "5007438"   "5016615"   "5171215"   "5231975"   "5267985").PN. OR ("5445611").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 10:45
S14	1	("5,115,805").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 10:49
S15	3	((("5,007,438") or ("4,821,740") or ("5,016,615"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 10:50
S16	32	("4309989"   "4646754"   "4657543"   "4702732"   "4708716").PN. OR ("4821740").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 11:16
S17	63	"4,484,569"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 11:16
S18	1	("4,484,569").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 11:16
S19	34	("4029084"   "4309989"   "4372296"   "4542751"   "4657022"   "4657543"   "4706676"   "4756314"   "4767402"   "4780212"   "4787888"   "4821733"   "4821740"   "4948587"   "4953552"   "4953565"   "5007438"   "5016615"   "5019034"   "5036861"   "5053001"   "5076273"   "5080646"   "5084008"   "5115805"   "5131403"   "5135478"   "5139023"   "5171215"   "5231975"   "5236414"   "5267985"   "5291887"   "5323769").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:17
S20	27662	transducer and sensor and transmission	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:17

## EAST Search History

S21	17	transducer and sensor and transmission and ultasonic	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:23
S22	23	transducer and probe and transmission and ultasonic	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:25
S23	541	transducer and probe and transmission and transdermal	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:25
S24	589	transducer and (probe or sensor) and transmission and transdermal and drug	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:25
S25	566	transducer and (probe or sensor) and transmission and transdermal and drug and delivery	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:47
S26	75	transducer and (probe or sensor) and transmission and transdermal and drug and delivery and echo	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 15:48
S27	1	("4878892").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 16:49
S28	38	("4459226"   "4557723"   "4624665"   "4702732"   "4704282"   "4710497"   "4713244"   "4725439"   "4752285").PN. OR ("4878892").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 16:49
S29	5	("4878892"   "5135479"   "5328452"   "5706950"   "6614143").PN. OR ("6908448").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 17:00
S30	10	("2895062"   "4845688"   "4999819"   "5276657"   "5729077"   "6232702").PN. OR ("6614143").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 17:04
S31	5	("4878892"   "5135479"   "5328452"   "5706950"   "6614143").PN. OR ("6908448").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 17:06
S32	46	("4163447"   "4259963"   "4292968"   "4406658"   "4416274"   "4494950"   "4624661").PN. OR ("5135479").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 10:58
S33	748	sonophoresis or phonophoresis	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 10:58
S34	567	sonophoresis or phonophoresis and transducer	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 10:59

## EAST Search History

S35	526	sonophoresis or phonophoresis and transducer and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 11:01
S36	108	(sonophoresis or phonophoresis) and transducer and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 16:47
S37	39	(sonophoresis or phonophoresis) and transducer and sensor and reflect	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 13:12
S38	647	sonic and dose and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 13:13
S39	1	sonic and "dose sensor"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 13:14
S40	0	("2005/0075598").URPN:	USPAT	OR	ON	2005/10/24 13:13
S41	239	sonic and dose and sensor and transducer	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 14:25
S42	53	"dose sensor"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 14:36
S43	8671	echo and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 14:36
S44	3977	echo and sensor and transducer	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 14:36
S45	421	echo and sensor and transducer and drug	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 15:43
S46	108	(sonophoresis or phonophoresis) and transducer and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/24 15:43
S47	50	S46 and receiver	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 09:35
S48	5519	sonicator	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 09:36
S49	1781	sonicator and drug and measure	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 09:36
S50	466	sonicator and drug and measure and transducer	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 09:37

## EAST Search History

S51	449	sonicator and drug and measure and transducer and tissue	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 09:37
S52	339	sonicator and drug and measure and transducer and tissue and reflect	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 09:38
S53	105	sonicator and drug and measure and transducer and tissue and reflect and transmission	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 11:17
S54	3	((("4,620,546") or ("4,658,828") or ("4,586,512"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 13:10
S55	128	(607/120).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 13:11
S56	380	(607/115).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 13:11
S57	717	(607/116).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 15:59
S58	1	("5,458,140").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 13:28
S59	99	("5076273"   "5139023"   "5140985"   "5323769").PN. OR ("5458140").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:34
S60	0	transducer near reflect near sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 14:59
S61	688	transducer same reflect same sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 14:59
S62	4	transducer same reflect same sensor same drug	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 15:00
S63	6	transducer same reflect same ultrasound same drug	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 15:03
S64	71	transducer same reflected same ultrasonic same substance	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 15:04
S65	74	(435/173.4).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 16:03

## EAST Search History

S66	52	(435/173.5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 16:06
S67	132	(435/173.6).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 16:15
S68	327	(604/19).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 16:15
S69	262	(sonophoresis or phonophoresis) and transducer	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 16:24
S70	5	("4878892"   "5135479"   "5328452"   "5706950"   "6614143").PN. OR ("6908448").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 16:54
S71	12	("4542751"   "5112300"   "5365139"   "5421816"   "5458140"   "5484398"   "5582586"   "5617851"   "5618275"   "5630807").PN. OR ("5895362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 13:20
S72	83	("4029084"   "4309989"   "4372296"   "4542751"   "4657022"   "4657543"   "4706676"   "4756314"   "4767402"   "4780212"   "4787888"   "4821733"   "4821740"   "4948587"   "4953552"   "4953565"   "5007438"   "5016615"   "5019034"   "5036861"   "5053001"   "5076273"   "5080646"   "5084008"   "5115805"   "5131403"   "5135478"   "5139023"   "5171215"   "5231975"   "5236414"   "5267985"   "5291887"   "5323769").PN. OR ("5617851"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 14:33
S73	746760	ultrasound same sensor same drug or (substance)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 14:34
S74	746805	ultrasound same sensor same drug or (substance)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 14:34
S75	167	ultrasound same sensor same (drug or substance)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 14:51
S76	3	"Doppler ultrasound sensor" same (drug or substance)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 14:52

## EAST Search History

S77	66	"Doppler ultrasound sensor"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 14:59
S78	14	"ultrasound sensor" same drug	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:00
S79	0	"ultrasound sensor" same anulate	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:00
S80	146	"ultrasound sensor" same measure	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:05
S81	1	"dose sensor" same (ultrasound or ultrasonic)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:06
S82	595	(dose or drug) same (sensor or probe) same (ultrasound or ultrasonic)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:28
S83	974	"reflected ultrasound"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:28
S84	130	"reflected ultrasound" and drug	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:28
S85	7	("5190766"   "5236410"   "5305757"   "5409006"   "5558092"   "5580575").PN. OR ("6352683").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:42
S86	187	("3672210"   "3735755"   "3936791"   "4385255"   "4466442"   "4484569"   "4492120"   "4586512"   "4620546"   "4646756"   "4658828"   "4664122"   "4757820"   "4865042"   "4932414"   "5005579"   "5143073"   "5149319"   "5150712"   "5158071"   "5182485"   "5209720"   "5215680"   "5346000"   "5380411"   "5391140"   "5410516"   "5419327"   "5435311").PN. OR ("5558092").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 15:51
S87	21	("4617931"   "4620546"   "4658828"   "4942878"   "4986275"   "5076277"   "5080101"   "5080102"   "5111822"   "5143073"   "5150712"   "5358466"   "5381792"   "5391140"   "5431621"   "5435311"   "5553618"   "5558092"   "5658239"   "RE33590").PN. OR ("6454713").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 16:42



## EAST Search History

S88	69	("3352303"   "3433226"   "3526219"   "3565062"   "3589363"   "3618594"   "3809093"   "3823717"   "3861391"   "3896811"   "4188952"   "4214586"   "4223676"   "4366819"   "4413630"   "4431006"   "4474180"   "4587958"   "4587972"   "4589419"   "4593699"   "4633882"   "4665906"   "4692139"   "4750902"   "4794931"   "4799496"   "4800876"   "4808153"   "4821731"   "4841977"   "4844092"   "4852577"   "4870953"   "4898575"   "4917097"   "4919133"   "4920954"   "4923441"   "4924863"   "4936281"   "4957111"   "4960411"   "4966583"   "4967653"   "4967753"   "4979939"   "4988356"   "4998527"   "5022399"   "5029588"   "5058570"   "5061238"   "5069664"   "5076276"   "5100423").PN. OR ("5390678"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 13:33
S89	1	("5135479").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:05
S90	0	(09/537349).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:06
S91	0	("9537349").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:06
S92	0	("9537349").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:06
S93	0	("9537349").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:06
S94	0	"09537349"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 14:07
S95	0	"9537349"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 14:07

## EAST Search History

S96	47	("3736523"   "3889166"   "4197478"   "4264838"   "4275388"   "4378510"   "4441044"   "4453141"   "4479388"   "4491759"   "4506184"   "4608865"   "4728843"   "4739860"   "4893045"   "4979952"   "4982725"   "5099815"   "5176140"   "5209119"   "5216631"   "5286452"   "5336958"   "5390678"   "5447509"   "5465109"   "5515341"   "5536963"   "5589401"   "5661361"   "5671154"   "5777230"   "5808737"   "5858648"   "5865946"   "5869762"   "5869764"   "5906580"   "5907521"   "5909279"   "5914507"   "5924993"   "6144140"   "6191520").PN. OR ("6392327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 14:09
S97	0	(09/537349).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:09
S98	0	(09/0537349).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:10
S99	0	("90537349").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 14:10
S10 0	0	"090537349"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 14:10
S10 1	1	"09/537349"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 15:00
S10 2	4	((("6392327") or ("5135479") or ("5267985") or ("5115805")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 16:06
S10 3	41140	(sonophoresis or phonophoresis or ultrasound or ultrasonic) and square	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 16:24
S10 4	13800	(sonophoresis or phonophoresis or ultrasound or ultrasonic) and square and (alternate or alternating)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 16:25
S10 5	6975	(sonophoresis or phonophoresis or ultrasound or ultrasonic) and square and (alternate or alternating) and (wave or waveform)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 16:25

## EAST Search History

S10 6	1307	(sonophoresis or phonophoresis or ultrasound or ultrasonic) and square and (alternate or alternating) and (wave or waveform) and sinusoidal	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 16:27
S10 7	259	(sonophoresis or phonophoresis or ultrasound or ultrasonic) and square and (alternate or alternating) and (wave or waveform) and sinusoidal and (saw or sawtooth or saw-tooth)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 16:27
S10 8	941	saline and burn and ultrasound	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/28 14:31
S10 9	6	("3269173"   "3830223").PN. OR ("4080960").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/28 16:40
S11 0	0	("9840416").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/28 16:40
S11 1	0	("200209840416").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/28 16:41
S11 2	1	"09840416"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/28 16:41
S11 3	0	("2002/0190136").URPN.	USPAT	OR	ON	2005/10/28 16:43
S11 4	65	Babaev	USPAT	OR	ON	2005/10/28 16:43
S11 5	8	("5267985" "5954675" "6392327" "6475148").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:55
S11 6	4417	reflected ultrasonic transmission	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/07/12 13:00
S11 7	2	("5445611").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/12 13:00

## EAST Search History

S11 8	80	("4372296"   "4646725"   "4767402"   "4780212"   "4821740"   "4953565"   "5007438"   "5016615"   "5171215"   "5231975"   "5267985").PN. OR ("5445611"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 13:01
----------	----	--	------------------------------	----	----	------------------